1.) $x + 6 = 6$

$x = 0$

2.) $x / -7 = 1$

$x = -7$

3.) $5x - 7 = -22$

$x = -3$

4.) $2 - 4x = -26$

$x = 7$

5.) $-58 = -6x + x + 2$

$x = 12$

$-58 = -5x + 2$

$-2 \quad -2$

$\frac{-60}{-5} = \frac{-5x}{-5}$

$12 = x$

6.) $-41 = x - 6x + 9$

$x = 10$

7.) $6 + 7x = 5x + 30$

$x = 12$

$6 + 7x = 5x + 30$

$-6 \qquad\qquad -6$

$7x = 5x + 24$

$-5x \quad -5x$

$\frac{2x}{2} = \frac{24}{2}$

$\boxed{x = 12}$

8.) $-4x + 2 = -3x + 14$

$x = -12$

9.) $-6x > -54$

$x < 9$

10.) $4x < 24$

$x < 6$

11.) $|6x + 4| \leq 52$

$-52 \leq 6x + 4 \leq 52$

$-56 \leq 6x \leq 48$

$\frac{-56}{6} \leq x \leq 8$

$-56/6 \leq x \leq 8$

13.) $|7 + 5x| \geq 2$

$x \geq -5/5$

$x \geq -1$

$x \leq -9/5$

14.) $3 > -4x + 3x - 8$

$-11 < x$

15.) $10 - 2x - 3x < -40$

$x > 10$

$10 - 5x < -40$

$-10 \quad -10$

$\frac{-5x}{-5} < \frac{-50}{-5}$

$x > 10$

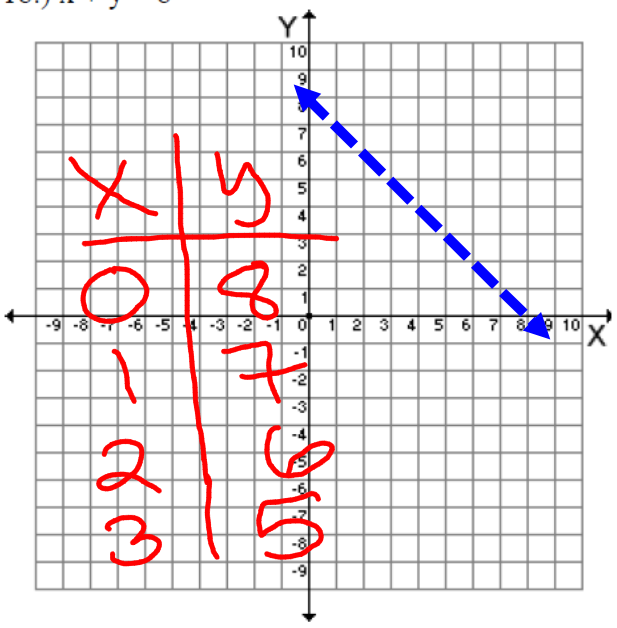
16.) $-5x - 4 > -x - 48$

$11 > x$

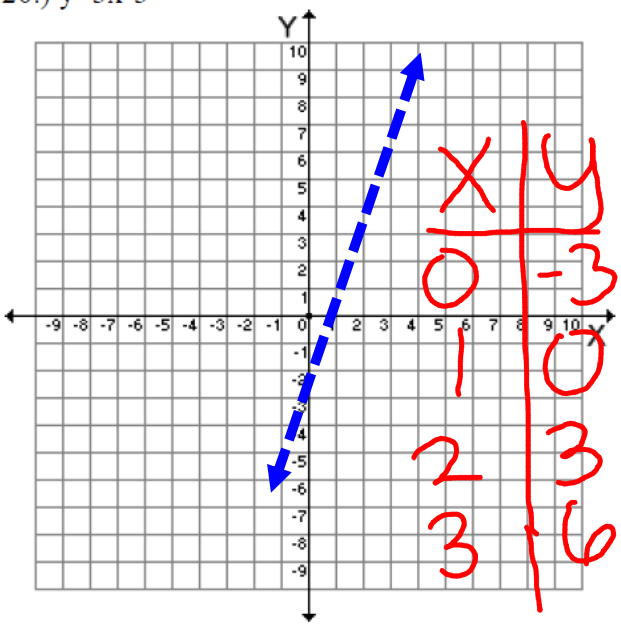
17.) $|8 - 7x| = 90$ $x = -82/7$ or $98/7$

Graph the following.

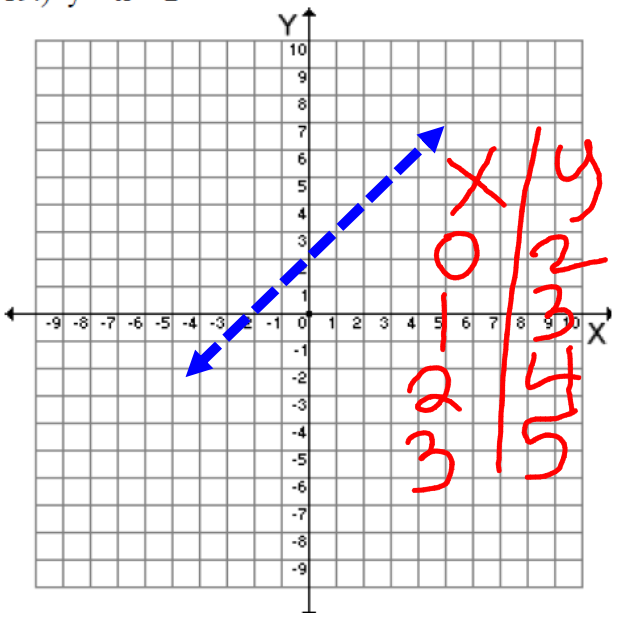
18.) $x + y = 8$



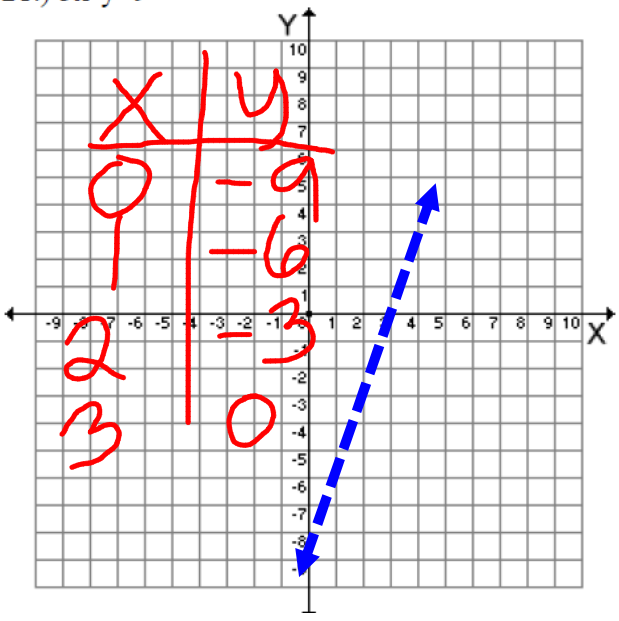
20.) $y=3x-3$



19.) $y = x + 2$



21.) $3x-y=9$



22.) Find the equation of the line that passes through (1, 2) and (7, 10).

$y = \frac{4}{3}x + \frac{2}{3}$

$(1.3x + 0.7)$ ←

23.) Find the equation of the line that passes through (-3, -10), and (2, 7).

$y = 3.4x + .2$

24.) Find the equation of the line that passes through (7, 8), and (10, 12).

$y = \frac{4}{3}x - \frac{4}{3}$

$(1.3x - 1.3)$ ←

25.) Find the equation of the line that passes through (2, 11), and (-2, 5).

$y = 1.5x + 8$